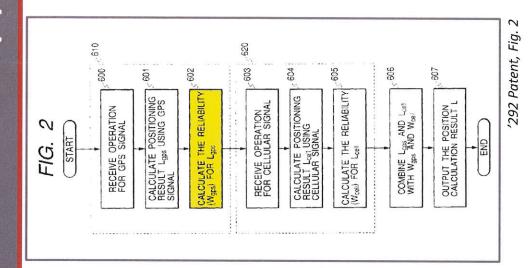
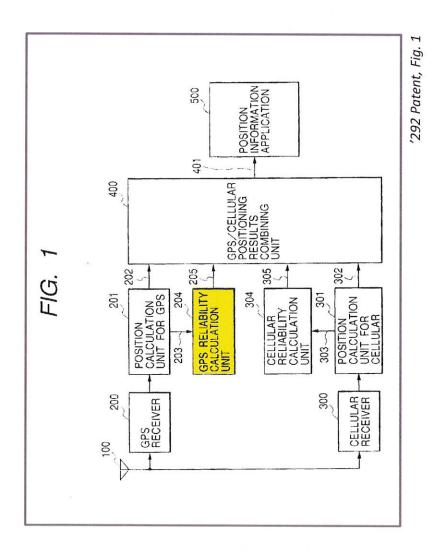
'292 Patent: "GPS reliability calculation means" (1)

Huawei	Function: calculating GPS positioning reliability based on the GPS-based position result Structure: GPS reliability calculation unit 204, which is insufficient structure because the specification does not disclose the necessary algorithm or flowchart, which renders the term indefinite
Maxell	Function: calculating GPS positioning reliability based on the GPS-based position result Structure: A GPS reliability calculation unit 204 and/or components within a mobile handset that perform processing functions, such as, a CPU programmed to execute processing in accordance with the algorithm set forth in the specification, a processor that performs GPS reliability calculation processes described in Fig. 2 (block 602) and corresponding recitations in the specification as provided herein, or equivalents thereof. See e.g., (2:60-65; block 602 in Fig. 2), (3:38-4:3), (5:3-7).
Term	"GPS reliability calculation means for calculating GPS positioning reliability based on the GPS-based position result" ('292 Patent, Claim 1)
No.	6

292 Patent: "GPS reliability calculation means" (1)

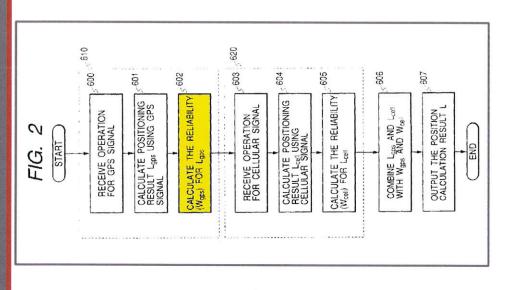




292 Patent: "GPS reliability calculation means" (1)

ity (W_{gps}) for L_{gps} **602** using the number of GPS satellites used in calculating L_{gps} and the received signal quality (such as a signal-to-noise ratio in decibels) for the signals from each GPS satellite. These GPS-related processes are labeled **610**.

'292 Patent, 2:60-65



'292 Patent, 3:44-59

The GPS reliability calculation unit 204 calculates the cased on the information about the reliability input from the outputs the reliability 205 to the GPS/cellular positioning example, the number of GPS satellites used when the reliability of the GPS-based position calculation result 205 results combining unit 400. The GPS reliability calculation unit 204 calculates the reliability in a manner in which, for position calculation unit for GPS 201 calculated the handset position is used as the reliability 205. Alternatively, the position calculation unit for GPS 201, and the unit 204 quality of the signals received from the GPS satellites used when the position calculation unit for GPS 201 calculated the handset position might be used. In this case, the signal of the worst quality received from a GPS satellite is considered influential as a determinative factor of the reliability of the position calculation result.

'292 Patent: "GPS reliability calculation means" (1)

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the algorithm that is performed in that black box. Beyond missing an algorithm, the '292 patent does In my opinion, that algorithm is not disclosed in the specification of the '292 patent. unit 204, which is disclosed as a black box in the specification. The specification does not disclose Instead, the only structure associated with the GPS reliability means is GPS reliability calculation not have any disclosure that denotes sufficient structure to one of ordinary skill.

inputs to the black box reliability means and a desired output from the black box reliability means, but the structure (e.g., the algorithm) for converting those inputs to the desired output is not disclosed and is necessary for a person of ordinary skill in the art to understand what structure the inventors tried to claim here.

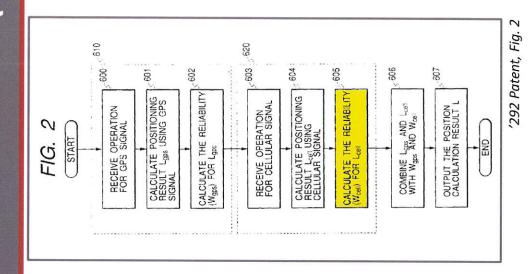
106. In my opinion, the additional citations to the specification that Maxell identifies as structure—(2:60-65; block 602 in Fig. 2), (3:38-4:3), and (5:3-7)—are not structure (e.g., not an algorithm) and are not associated with the claimed function of calculating GPS positioning reliability based on the GPS-based position result.

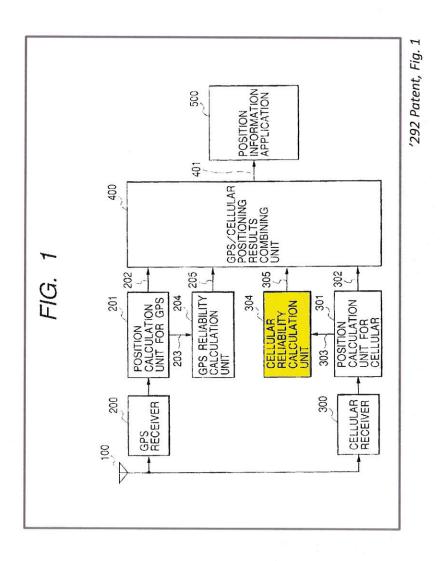
Akl Decl. (Dkt. 100-1) ¶¶104-06

'292 Patent: "cellular reliability calculation means" (1)

Huawei	Function: calculating cellular positioning reliability based on the cellular-based position result Structure: cellular reliability calculation unit 304, which is insufficient structure because the specification does not disclose the necessary algorithm or flowchart, which renders the term indefinite
Maxell	Function: calculating cellular positioning reliability based on the cellular-based position result Structure: A cellular reliability calculation unit 304 and/or components within a mobile handset that perform processing functions, such as, a CPU programmed to execute processing in accordance with the algorithm set forth in the specification, a processor that performs cellular reliability calculation processes described in Fig. 2 (block 605) and corresponding recitations in the specification as provided herein, or equivalents thereof. See e.g., (3:10-11; block 605 in Fig. 2), (4:15-42), (3:6-11), (5:3-7).
Term	"cellular reliability calculation means for calculating cellular positioning reliability based on the cellular-based position result" ('292 Patent, Claim 1)
No.	10

'292 Patent: "cellular reliability calculation means" (1)

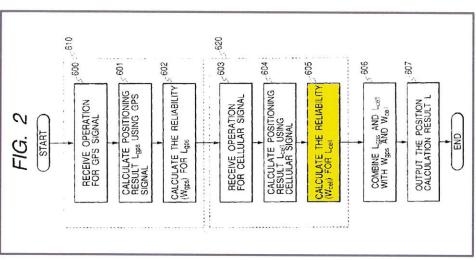




292 Patent: "cellular reliability calculation means" (1)

tion using the cellular signals; that is, the handset calculates position using the cellular signals; that is, the handset calculates positioning result L_{cell} using the cellular signals **604**. The mobile handset also calculates the reliability (W_{cell}) for L_{cell} **605** using the number of cellular base stations used in calculating L_{cell} and the received signal quality for the signals from each cellular base station. These cellular related processes are labeled **620**.

'292 Patent, 3:6-11



The cellular reliability calculation unit 304 calculates the reliability of the cellular-based position calculation result 305 based on the information about the reliability input from the position calculation unit for cellular 301, and the unit 304 outputs the reliability 305 to the GPS/cellular position-

'292 Patent, Fig. 2

handset position or the lowest SNR among the SNRs of the signals received from the cellular base stations may be used as the reliability 305.

the position calculation unit for cellular 301 calculated the

ing results combining unit 400. The cellular reliability calculation unit 304 preferably calculates the reliability in the same manner as the GPS reliability calculation unit 204. For example, the number of cellular base stations used when

'292 Patent, 4:22-34

'292 Patent: "cellular reliability calculation means" (1)

Case S.16-cy-00178-FWS Document 100-1 Filed 1072317 Page 1 of 94 Page10 Ft. 2001

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FOR THE EASTERAND DIVISION

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HEAVITH DIVISION

Cord Action No. 35 16-cy-00179-RWS

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Akl Decl. (Dkt. 100-1) ¶¶146-47

146. In my opinion, that algorithm is not disclosed in the specification of the '292 patent for the same reasons it is not disclosed for the GPS reliability calculation means. Beyond missing an algorithm, the '292 patent does not have any disclosure that denotes sufficient structure to one of ordinary skill. The only disclosure clearly associated with the cellular reliability function is cellular reliability calculation unit 304. But "cellular reliability calculation unit" does not denote structure to one of ordinary skill. It is disclosed as a black box in the specification. The specification does not have any other disclosure (e.g., an algorithm) that denotes the structure for this black box. As I explain below, at most, the specification of the '292 patent discloses potential inputs to the black box reliability means and a desired output from the black box reliability means, but the structure (e.g., an algorithm) for converting those inputs to the desired output is not disclosed and is necessary for a person of ordinary skill in the art to understand what structure the inventors tried to claim here.

147. In my opinion, the additional citations to the specification that Maxell identifies—(3:10-11; block 605 in Fig. 2), (4:15-42), (3:6-11), and (5:3-7)—are not structure (e.g., not an algorithm) and are not associated with the claimed function of calculating cellular positioning reliability based on the cellular-based position result.

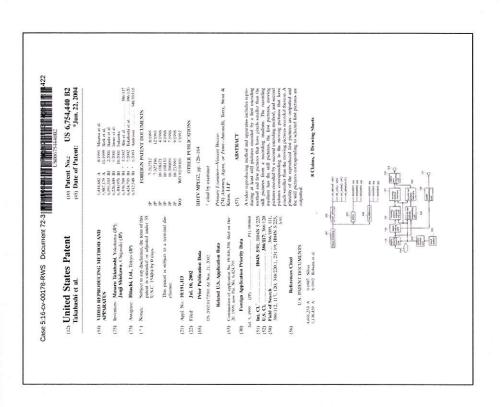
Agenda

672	(45) Date of Patent: 0.5 6,754,440 B2	5,444,437 A 81999 Milows et al. 8,995,279 A 11999 Sek et al. 6,68,400 A 11999 Sek et al.		6-424,795 B1 * 1,2002 Takahanki et al	FOREIGN PATENT DOCUMEN 7.212712 R-1905 7.327196 12/1905	10 10 10 10 10 10 10 10	OTHER DIGHT	HDTV MPGG, pp. 128–164.	" cited by examiner	Primary Examiner—Vincent Boccio (73) Attorney, Auent, on Firm—Antonelli, Terry Stout &		AND INVESTIGATION OF THE PROPERTY OF THE PROPE	and the state of t	the still pictures corresponding to schooled first pictures are outputted.	8 Chims, 3 Drawing Sheets	
Maritan States Dates	(12) United States Fatent Takahashi et al.	VIDEO REPRODUCING METHOD AND APPARATUS	Inventors: Masser Takahashi, Yokohama (JP), Junji Shiokawa, Chigasaka (JP)	Assigner Hinethi, Ltd., Tokyo (3P)	Notice: Subject to any disclaimer, the term of this patent to extended or adjusted under 35 U.S.C. 154(b) by 0 days.	is subject to a terminal de-	No.: 10191,113	Filed: Jul. 10, 2062 Prior Publication Data		Retated U.S. Application Data	Continuation of application No. (9r-446,338, filed on Dec. 3), 1999, now Pat. No. 6,424,395.	Foreign Application Priority Data	at 5, 1999 (27) P. 1. 1988888	INTS	5,138,459 A \$1957 Silver 5,138,459 A \$1952 Roberts et al.	
-	(E)	(54)	(22)	(4)	Ē			£ 5	2		(63)	(30)	3 8 8 8	(0.1)	# 5	

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'440 Patent: Disputed Terms

 "still pictures encoded by a second encoding method, and second pictures corresponding to the still pictures and having a smaller number of pixels than the still pictures are recorded"
 (claims 1, 3, 5, 7)



'440 Patent: "still pictures encoded by a second encoding method...'

No.	Term	Maxell	Huawei
11	"still pictures encoded by Plain and ordinary	Plain and ordinary	"still pictures encoded by
	a second encoding	meaning	the first encoding
	method, and second		method and by a second
	pictures corresponding		encoding method, and
	to the still pictures and		second pictures
	having a smaller number		corresponding to the still
	of pixels than the still		pictures and having a
	pictures are recorded"		smaller number of pixels
	('440 Patent, Claims 1, 3, 5		than the still pictures are
	and 7)		recorded"

'440 Patent: Claim 1

1. A video reproducing method, comprising:

the still pictures and having a smaller number of pixels pictures having a smaller number of pixels than the than the still pictures are recorded on the recording reproducing, from a recording medium, at least moving pictures encoded by a first encoding method and first moving pictures, wherein the moving pictures, the first pictures, as well as still pictures encoded by a second encoding method, and second pictures corresponding to medium;

outputting a plurality of reproduced ones of the first pictures; and outputting a moving picture corresponding to any selected first picture.

'440 Patent: Summary

A still picture using two encodings is:

(45) Patent No.: US 6,754,440 B2 (45) Date of Patent: *Jun. 22, 2004

(12) United States Patent Takabashi et al. | Activity | Activity

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(25) Inventore. Maxura Takahashi, Vokobana (JP), Junji Shiskawa, Chigasaki (JP)

Hitachi, Ltd., Tokyo (JP)

Primary Examiner—Vincent Bocco [34] Attorney, Agent, or Firm—Mattonelli, Texty, Sens, LLP

Related U.S. Application Data

(21) Appl. No.: 10/191,113 (22) Filed: Jul. 10, 2002 (65) Prior Publicati (51) Int. Cl. HOAN 591; HOAN 5225 (52) U.S. Cl. MORTHS, 30c170; (58) Field of Search No. 111, 102; 34x2201, 231.99; HOAN 591; HOAN 592; (50)

HDIV MPEG2, pp. 128-164.

- Identified as the key feature of the invention in the specification
- Required by all embodiments
- prosecution history of the patent family Confirmed as the key feature by the
- Maxell fails to show that any embodiment omits this key feature.

'440 Patent: Problem

Type	Encoding/Decoding	Claim Term
Video	■ MPEG	"first encoding method" (moving picture encoding method)
Still Picture	IN JPEG	"second encoding method" (still picture encoding method)

- Still picture not recorded by a moving picture format
- Video player cannot display still pictures

recorded similaricals w. The conventional techniques, however, do not consider encoding of still pictures read from a fine photographing element with the use of such an encoding method as MPEG for moving pictures. '440 Patent, 2:5-8

'440 Patent: Solution

Save a still picture in still and single-frame moving picture formats

"second encoding method" (still pictu "first encoding method" (moving pic	MPEG & MPEG	Still Picture
"first encoding method" (moving pic	■ MPEG	Video
Claim Term	Encoding/Decoding	Type

g picture encoding method)

picture encoding method) g picture encoding method)

Video player can display both video and still pictures

Under the circumstances, it is the first object of the present invention to provide an apparatus and a method for recording pictures, which are preferred to solve the above conventional problems and enable recordable players and other ordinary players which reproduce moving pictures to reproduce and record fine still pictures, as well.

'440 Patent, 2:31-36

In order to achieve the first object, the recording method of the present invention used for a video recording apparatus that can record both moving and still pictures on a recording medium includes steps for recording moving pictures encoded with the use of the first encoding method when in recording moving pictures; and for recording still pictures encoded with the use of the second encoding method and other still pictures encoded by the first encoding method from single frame signals obtained from the still pictures when in recording still pictures. Entitlement, the video

'440 Patent, 2:50-5

'440 Patent: Reflected In All Embodiments

Every embodiment requires encoding still pictures using a moving picture encoding method

the signal converting unit 109 converts the signal format of a sheet of pictures stored in the still picture memory 108 to the same signal format as that of single frame moving picture signals, then the converted signals are stored in the the recording control unit 13 as will pecture the data. Then, moving picture memory 107. Then, the moving picture 440 Patent, 7:3-8 (first embodiment)

If a still picture is selected, the system control unit 128 controls the whole system as follows. The reproducing control unit 118 reproduces a data file in such a compressed moving picture stream format as the MPEG I-picture one.

ng unit 105 just like in the first and promites are read from the still to 100 (240 Patent, 9:36-42 (second embodiment)). If the still picture photographing mode is selected by the switch 116, at first, still picture file data generated in the fine still picture compressing unit 106 are recorded on the recording medium 114 together with still pictures in the compressed moving picture stream format generated in the moving picture compressing unit 105 just like in the first embodiment. Then, the still petities are read from the still

stream format as the MPEG about two types of still picture data selected thumb nail just like in the type reproduced data file is disable water, 13:58-62 (fourth embodiment) I-picture one is selected from two types of still picture data files corresponding to the selected thumb nail just like in the If a still picture is selected, a data file in such a compressed moving picture stream format as the MPEG third embodiment. Tren, the reproduced data file is dis-

'440 Patent, 12:38-41 (third embodiment)

'440 Patent: Reflected In All Embodiments

In the moving picture photographing mode, moving pictures are recorded in the VR MOVIE.VRO file under the DVD_RTAV directory 202 shown in FIG. 4, as well as the management information in the management file VR_MANGR.IFO is rewritten. Furthermore, a flumb and

440 Patent, 10:62-66

MPEG I-picture still pictures are recorded in the VR_STILL.VRO file and the management information in the management file VR_MANGR.IFO is rewritten, as well as a fine still picture data file containing JPEG-compressed data is recorded with a file name of 00000001.jpg under the JPEG directory 203, and furthermore, the thumb nail picture

Still picture – Single-frame moving picture format Still picture format Moving picture Still picture – '440 Patent, Fig. 4 VR_AUDIO. VRO VR_MANGR.IFO - 00000002. jpg -- 00000003. jpg .00000000 jpg t0000001. jpg t0000002. jpg -t0000003. jpg FIG.4 THUMBNAIL DVD_RTAV 204 JPEG Root Directory 201

'440 Patent: Benefit Of Alleged Invention

- Video player does not need a still picture expanding unit
- Eliminate the fine still picture expanding unit from the reproducing apparatus

Numeral 120 is a moving picture expanding unit for expandpicture data file to restore original video signals in accoring compressed moving picture streams or a compressed still dance with such a moving picture encoding standard THE STREET STREET nosol or Signation MPEG. Pander

he video cuput terminal in the moving picture format. It is verting the format of the fine still picture signals to the same signal format as that of the single frame moving picture Furthermore, if no fine still picture signal is output as described in this embodiment, the fine still picture expandthus possible to omit the signal converting circuit for consignals, thereby the apparatus circuit is simplified. ing circuit can also be omitted.

125 124 127 video pro-cessing unit 126 thumb nail picture memory audio expanding unit 121 moving picture memory **FIG.5** thumb nail picture expanding unit moving picture expand-ing unit 122 sepa-rating unit 129 repro-ducing control system control unit input button 114

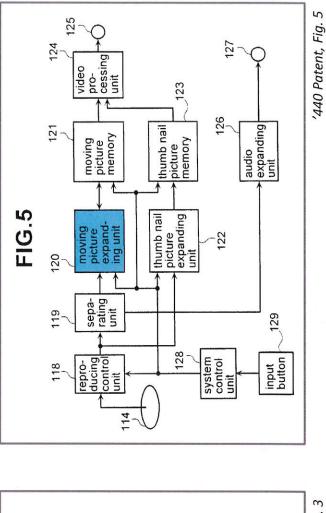
440 Patent, 11:45-49

440 Patent, Fig. 5

440 Patent, 12:56-63

'440 Patent: Benefit Of Alleged Invention

- Moving picture encoding is present both in the recording apparatus (Fig. 3) and the reproducing apparatus (Fig. 5)
- Still picture encoding is present in the recording apparatus (Fig. 3), but absent in the reproducing apparatus (Fig. 5)



440 Patent, Fig. 3

116

SW

115

system control unit

111

audio com-press-ing unit

micro-phone

109

signal convert-ing unit

sereen com-pressing unit

110

106

fine still picture com-

still picture memory

driving

recording control unit

plexing unit multi-

moving picture memory

signal process-ing unit

FIG.3

107

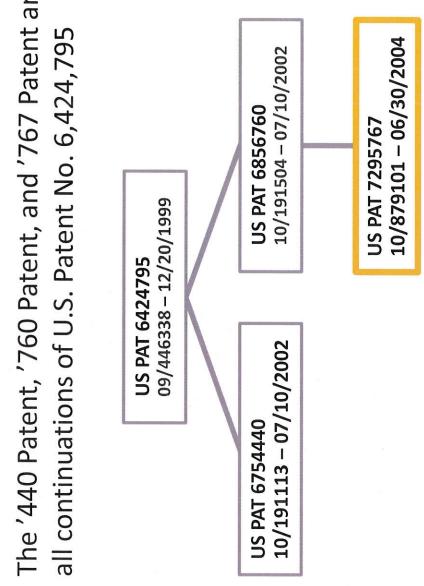
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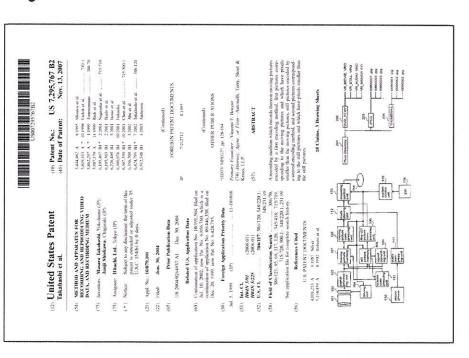
102

101

'440 Patent: Alleged Invention Emphasized During Prosecution

The '440 Patent, '760 Patent, and '767 Patent are





7440 Patent: Alleged Invention Emphasized During Prosecution 1295,767, which shares the specification of U.S. 7,295,767, which shares the specification with the '440 Patent, the inventors overcame an obviousness rejection by arguing that:

One characteristic point of the present invention is that the machine-readable

recording medium of the present invention has recorded thereon:

* still pictures encoded by the first encoding method by which moving pictures

are encoded; and

Ex. 11 ('767 File History) at 12

• Maxell further argued that:

According to the present invention, you can get an excellent ment like
following. For example. Applicant's invention is advantageous in a moving-pictureonly player which implements the first encoding method by which moving pictures
are encoded (for example, MPEG). but which does not implement the second
encoding method by which still pictures are encoded (for example, JPEG). In fact,

Ex. 11 (767 file history) or 12

AMAXELL reinforced this by arguing that their
method (e.g., MPEG), and still/first-encoding-method (e.g., MPEG) recordings was

Kex in being able to reproduce still pictures within a device having MPEG-only

Ex. 11 (767 file history) or 13

'440 Patent: Cited Art Stored Still Image in Two Formats

Claim rejected during prosecution based on Abe (US 6,356,709) in view of *Anderson* (US 6,512,548)

Abe (US 6,356,709)

ns e	(45) Date of Patent: Mar. 12, 2002	5450,000 A - 01002 Majoran et al. 186,000 B 5,130,000 A - 61000 Majoran et al. 186,000 B 5,412,51 A - 5,1000 Majoran et al. 186,000 B 5,412,61 A - 5,1000 Majoran et al. 186,000 B	*****		FORESCE PAILS	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.7 u.278470 u.27844 1.7 7.264530 [512900		4 1 14 100000000	Court In Constitues	1000	C.4) Alternoce, Agent, of Print-Presidents Libertexact Hong LLP, Welliam S. Frammer.	OTA ABSTRACT	Pointer against returning a parater united about 2 ans some governed to a pattern components and analysis from soming the resulting component pattern data as assembling water con- ponents years to be selled the recording a mercung process processing system to see should be executed as a mercung process of the execution of all petters by such selled and petter con- pression parameters of the petter components above 8 by as presented on the petter components and the petter con-	A parastic congression of social weekshilling do face the between those for morning psicine encouling and those for still partner reasonable.	2 Chiese, 4 Deperting Shorts	A CONTRACTOR OF THE PARTY OF TH
(23 United States Patent (25) Patent No.: US 6,356,709 BI	Abe et al.	BEVACE, METHOR, AND MEDIUM FOR RECORDING STILL, PECTURE, AND ANIMATION	sters, M&A Abe, Katengawa, Edichiler Mortingar, Edeys, Takayawa Ken, Katengawa, Takatumi Honel, Natana, all of QPI	Assigner: Noney Componition, 16650 (39)	Subject to any doctainer, the term of these pates in estended or adjusted maker 34 U.S.C., 15400 to 0 days.	645,549	Aug. 23, 1997	No. 16, 1998	5c. Nov. 16, 1998	PUT Per. No. WORKSHIM	PCT Pub. Date Mar. S. 1998	the Prierity Data	30, 1996 (17) h.23,000 (17) 8,23,000 (17) 30,1996 (17) 8,23,000 (17)	104X 523 204.127, 585-05, 506-05 106.121, 485-23, 586-05 106.121, 120, 121, 105, 05, 586-00, 107, 108, 231, 232, 233, 1001, 1001, 1001, 185, 246, 301, 1001, 1001,	References Cited to U.S. PARLNE DOCUMENTS.	of A. Although Whale of pl	
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Anderson (US 6,512,548)

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'440 Patent: Prosecution History

Applicant overcame the office rejection by representing that claims 1-8 required a first still picture in MPEG and a second still picture in JPEG

Furthermore, Anderson solely teaches recording still images, and two kinds of pictures, such as screennails and thumbnails. Applicant respectfully compares clarified Claims 1-8, and Anderson, as follows. #5/182615 RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/191,504

A Applicant

Claims 1-8	Anderson (see Fig. 5)
First still picture (MPEG)	X (no disclosure)
Second still picture (JPEG)	Compressed image data
First picture	X (no disclosure)
Second picture	Thumbnail and Screennail

It is clear that Anderson doesn't disclose Applicant's "outputting a moving picture corresponding to any selected first picture." Therefore, clarified Claims 1-8 are clearly different from Anderson.

for U.S. Patent No. 6,754,440 at 9 Jan. 6 Response in the File History

under 37 CFR §1,121 as set forth in the Final Rule strike-through (or double brackets where

feletions and additions, resp

Commissioner for Patents POB 1450 Alexandria, Virginia 22313-1450

'440 Patent: Case Law Limits Claims To The Invention

Alloc, Inc. v. Int'l Trade Comm'n

- Affirmed construction included "play" in the joint even though that word was not in the claims, 342 F.3d at 1370
- "[T]he invention as a whole, not merely a preferred embodiment, provides for play." Id. at 1368-69.
- "[A]II the figures and embodiments disclosed in the asserted patents impl[ied] play" or "expressly disclose[d] play." Id. at 1370.
- The prosecution history of the patent-family confirmed that "play is a key feature of the claimed invention." Id. at 1371.
- To overcome prior art, "the applicant represented to the USPTO examiner that play facilitated its novel system." *Id.* at 1372.

Alloc, Inc. v. Int'l Trade Comm'n, 342 F.3d 1361 (Fed. Cir. 2003)

'440 Patent: Case Law Limits Claims To The Invention

Virnetx, Inc. v. Cisco Sys., Inc.

- The Federal Circuit construed "secure communication link" to require both "security" and "anonymity." 767 F.3d 1308, 1317-19.
- "[T]he Summary of the Invention" gave "primacy to these [anonymity] attributes," which "strongly indicates that the invention requires more than just data security." Id. at 1317-18.
- The concealment or anonymity requirement was "implicated in every embodiment." *Id.* at 1318.

Virnetx, Inc. v. Cisco Sys., Inc., 767 F.3d 1308 (Fed. Cir. 2014).

'440 Patent: Case Law Limits Claims To The Invention

Honeywell Int'l, Inc. v. ITT Indus., Inc.

- The Federal Circuit limited "fuel injection system component" to only "fuel filter." 452 F.3d 1312, 1318.
- The fuel filter was described as "th[e] invention" and "the present invention." Id.
- "The public [wa]s entitled to take the patentee at his word and the word was that the invention is a fuel filter." Id.
- The "fuel filter [wa]s not a preferred embodiment," it was the "only embodiment." *Id.*

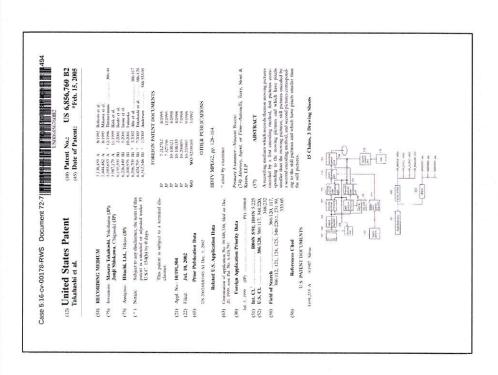
Honeywell Int'I, Inc. v. ITT Indus., Inc., 452 F.3d 1312 (Fed. Cir. 2006)

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(65) Prior Publication Data (85 2002 0301945 At Dac. 5, 2002	OTHER PUBL
Related U.S. Application Data	HDTV MPEG2, pp. 128-164
(63) Continuation of application No. 09446,338, filed on Dec	a Dec " cited by examiner
(30) Foreign Application Priority Data	Primary Examiner—Vincent Baccia (74) Attorney, Agent, or Firm—Antonelli, Terry, Stant &
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'760 Patent: Disputed Terms

"first encoding method" (claims 1, 3, 4, 6, 7, 9, 10, 12, 13, and 15)



	Document :	116-2 Filed 11/30/17	Page 30 of 40 PageID #: 3049
'760 Patent: "first encoding method" (1, 3, 4, 6, 7, 9, 10, 12, 13, and 15	Huawei	"moving picture encoding method"	
nethod" (1, 3, 4, (Maxell	Plain and ordinary meaning	
"first encoding n	Term	"first encoding method" ('760 Patent, Claims 1, 3, 4, 6, 7, 9, 10, 12, 13, and 15)	
'760 Patent:	No.	14	

760 Patent: Claim 1

- a first still picture recorded thereon encoded by a first encoding methods, wherein the first still picture having descriptive information associated therewith to allow a machine to recognize and decode the first still picture
- for display;

 a second still picture recorded thereon encoded by a second encoding method, wherein the second still picture having descriptive information associated therewith to allow the machine to recognize and decode the second still picture for display, wherein the second encoding method is different from the first encoding method; and
- a picture recorded thereon corresponding to said first and second still pictures, which has a smaller number of pixels than said first and second still pictures, wherein the picture having descriptive information associated therewith to allow the machine to recognize and decode the picture for display,

wherein said first still picture, said second still picture and said picture are related pictures derived from common signal data.

'760 Patent, Claim 1

'760 Patent: Summary

- The '760 Patent shares the '440 Patent's specification.
- As with the '440 Patent, a still picture using two encodings is:
- Identified as the key feature of the invention in the specification
- Required by all embodiments
- Confirmed as the key feature by the prosecution history of the patent family
- Maxell fails to show that any embodiment omits this key feature.
- In addition, the '760 Patent:
- method and "second encoding method" to mean still picture encoding method Consistently uses "first encoding method" to mean moving picture encoding
- Patentee distinguished prior art during prosecution by relying on the encoding of a still picture using a moving picture encoding method

'760 Patent: Claims Capture Still Image

- Shares specification with the '440 Patent
- Claims recording still picture in two different encodings

Background Prior Art

Claim Term	"first encoding method" (moving picture encoding method)	"second encoding method" (still picture encoding method)
Encoding/Decoding	■ MPEG	PEG JPEG
Type	Video	Still Picture

Alleged Invention

Claim Term	"first encoding method" (moving picture encoding method)	"second encoding method" (still picture encoding method) "first encoding method" (moving picture encoding method)
Encoding/Decoding	■ MPEG	Single-Frame MPEG MPEG
Туре	Video	Still Picture

'760 Patent: Reflected in Specification

Save a still picture in still and single-frame moving picture formats

"first encoding method" (moving picture encoding method) Claim Term Single-Frame MPEG Encoding/Decoding ☐ MPEG 80 Y JPEG Still Picture Video Type

"first encoding method" (moving picture encoding method) "second encoding method" (still picture encoding method)

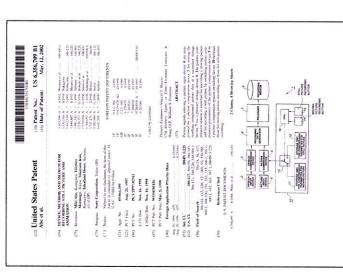
Video player can display both video and still pictures

recording moving pictures; and for recording still pictures of the present invention used for a video recording apparatus from single frame signals obtained from the still pictures In order to achieve the first object, the recording method that can record both moving and still pictures on a recording medium includes steps for recording moving pictures encoded with the use of the first encoding method when in encoded with the use of the second encoding method and other still pictures encoded by the first encoding method when in recording still pictures. Furthermore, the video 760 Patent, 2:50-57

'760 Patent: Cited Art Stored Still Image in Two Formats

Claim rejected during prosecution based on Abe (US 6,356,709) in view of *Anderson* (US 6,512,548)

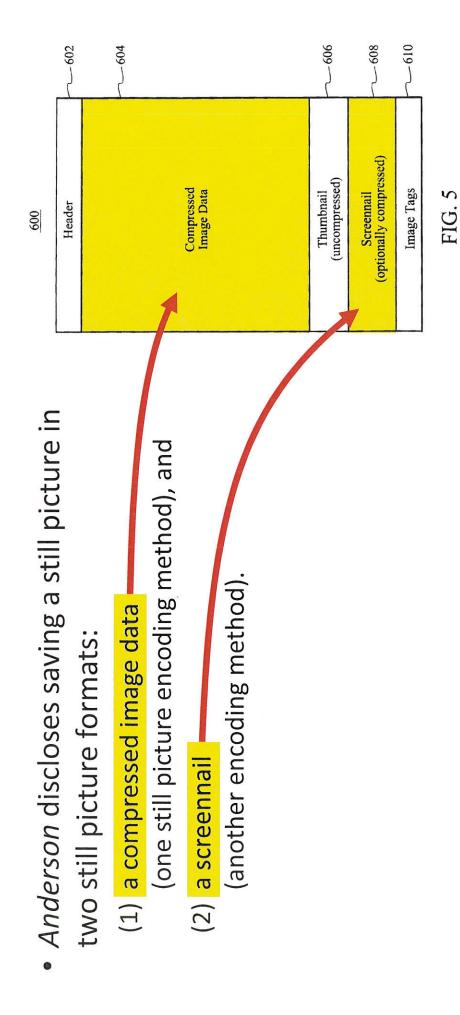
Abe (US 6,356,709)



Anderson (b) States Patent (c) Paret Vo. 18 6.512,548 III (c)

U.S. Patent No. 6,512,548 "Anderson", Fig. 5

'760 Patent: Cited Art Stored Still Image in Two Formats



'760 Patent: Contrary Position During Prosecution

To overcome a rejection, the applicant distinguished Anderson by stating that their invention saved a still picture in MPEG and JPEG formats:

Furthermore, Anderson solely teaches recording still images, and two kinds of

pictures, such as screennails and thumbnails. Applicant respectfully compares

clarified Claims 1 and 2, and Anderson, as follows.

Claims 1 and 2	Anderson (see Fig. 5)
First still picture (MPEG)	X (no disclosure)
Second still picture (JPEG)	Compressed image data
A picture	Thumbnail
X (no dislosure)	Screennail

It is clear that Anderson doesn't disclose Applicant's "first still picture".

Therefore, clarified Claims 1 and 2 are clearly different from Anderson.

Ex. 15 (December 29, 2003 Amendment and Remarks in the File History for U.S. Patent No. 6,856,760) at 12

'760 Patent: Maxell Seeks a Broader Interpretation Now

Maxell now argues that:

BERGEAGE IS CHARL. The first encoding method is one of potentially several encoding methods that

may be used for encoding still pictures, for example JPEG, MPEG, or others, without any

preferential order. See '760 Patent at 8:5-7, 8:9-11. The patent discusses that attll pictures 'neay

different still picture encodings: JPEG and RAW. Ex. 4 ('760 Infringement Maxell argues that the accused products record still pictures in two Contentions) at 3, 25-26.

"first encoding method" (moving picture encoding method) "second encoding method" (still picture encoding method) Claim Term & FA RAW Encoding/Decoding PEG INEG Still Picture Type

'760 Patent: Consistent Usage

Am. Piledriving Equip., Inc. v. Geoquip, Inc.

- The Federal Circuit limited the construction of a claim term because the "consistent reference throughout the specification ... ma[de] it apparent that it relates to the invention as a whole, not just the preferred embodiment."
- of the counterweight that extends either forward or rearward from Limited construction of "eccentric weight portion" to "that portion center of gravity radially outward from the gear's rotational axis." the front or back face of the gear portion such that it shifts the

Am. Piledriving Equip., Inc. v. Geoquip, Inc., 637 F.3d 1324, 1333 (Fed. Cir. 2011)

'760 Patent: Consistent Usage

Contentguard Holdings, Inc. v. Amazon.com, Inc.

- explicit disclosures ... should be given effect in the Court's construction." Court limited the construction of a claim term because "consistent,
- between repositories and that must be possessed in order to exercise a "authorization object" means "a digital work that can be moved usage right."

aff'd, 2017 WL 2963555 and 2017 WL 2963556 (Fed. Cir. July 12, 2017) Contentguard Holdings, Inc. v. Amazon.com, Inc., 2015 WL 8073722, at *27 (E.D. Tex. Dec. 4, 2015);